

**JAWAHAR NAVODAYA VIDYALAYA**

Selection Test (JNVST) · Class 6 Entrance

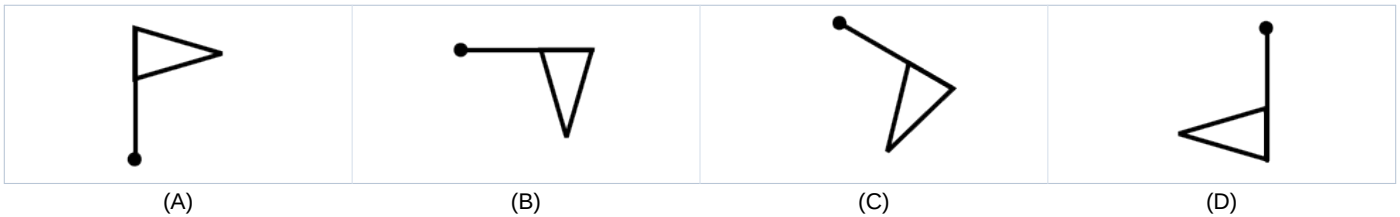
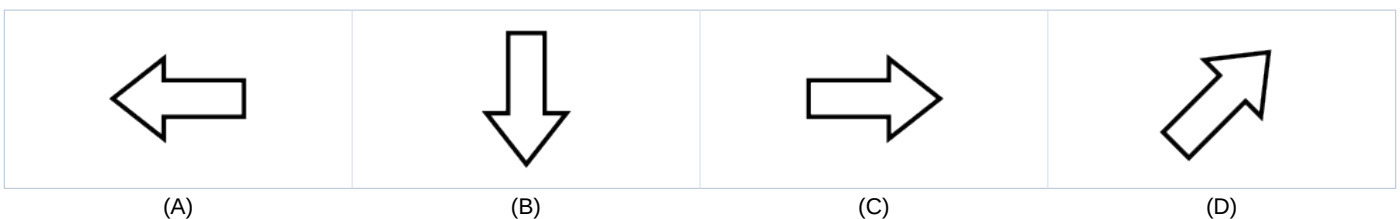
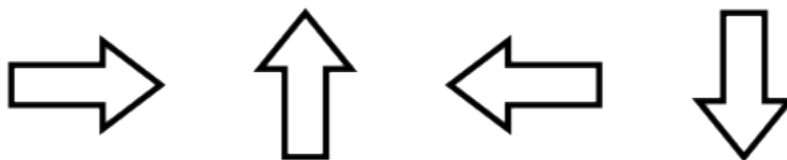
Practice Set 01

Session 2026–27

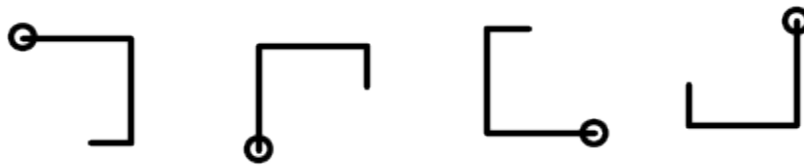
INSPIRE · INNOVATE · EXCEL

Time: 2 Hours**Questions:** 80**Max. Marks:** 100**Name:** _____**Roll No.:** _____**Date:** _____

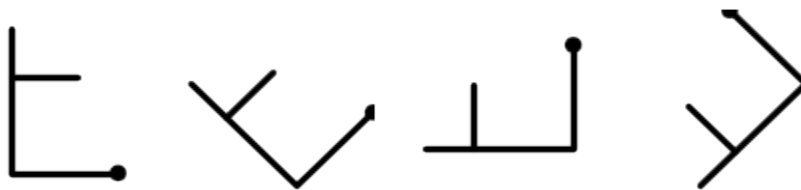
General Instructions: 1. There are three sections — Mental Ability (40), Arithmetic (20) and Language (20); all questions are compulsory. 2. Each question carries equal marks and there is no negative marking. 3. Every question has four options (A)-(D); choose the one best answer and mark it on the OMR sheet provided. 4. Use of a calculator is not allowed. The OMR sheet and Answer Key are at the end of the booklet.

SECTION I — Mental Ability Test (40)*Study each figure carefully and choose the correct option.***1. Which figure completes the series?****2. Which figure completes the series?**

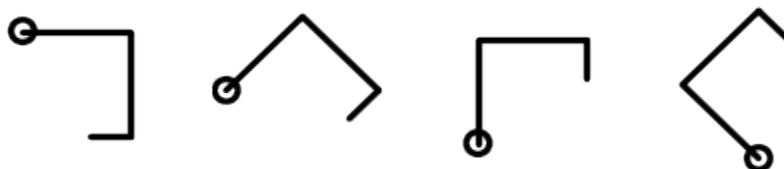
3. Which figure completes the series?



4. Which figure completes the series?



5. Which figure completes the series?



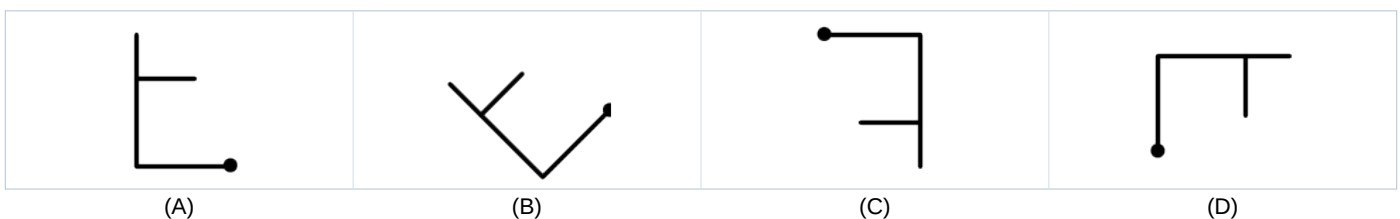
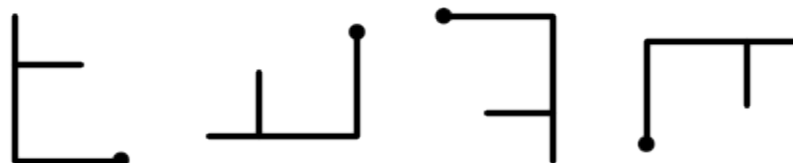
6. Which figure completes the series?



7. Which figure completes the series?



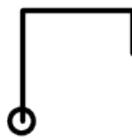
8. Which figure completes the series?



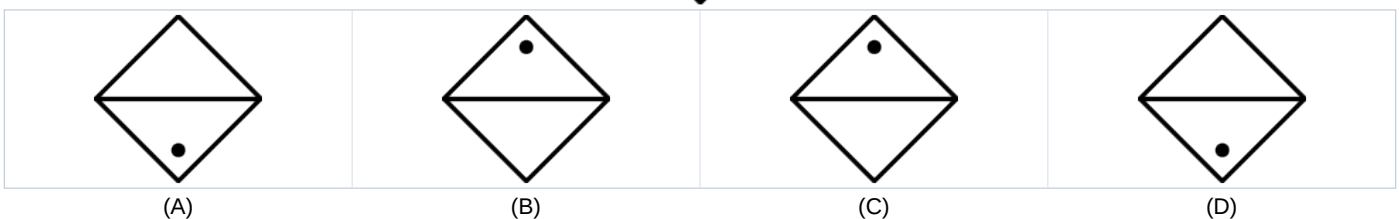
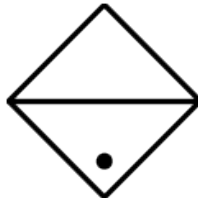
9. Choose the correct mirror image (mirror on the right).



10. Choose the correct mirror image (mirror on the right).



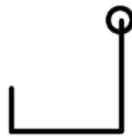
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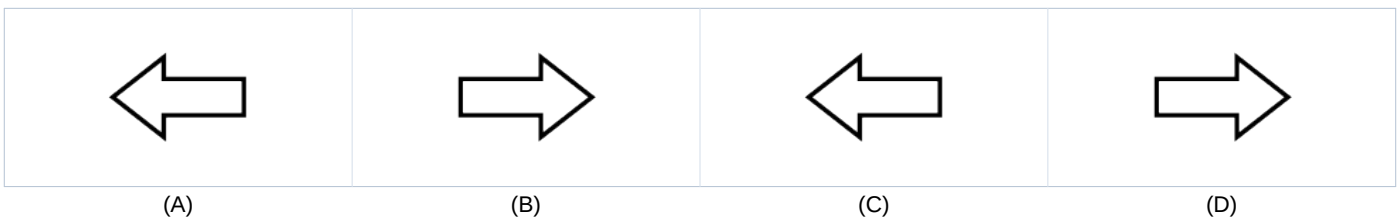
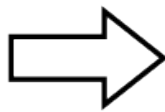
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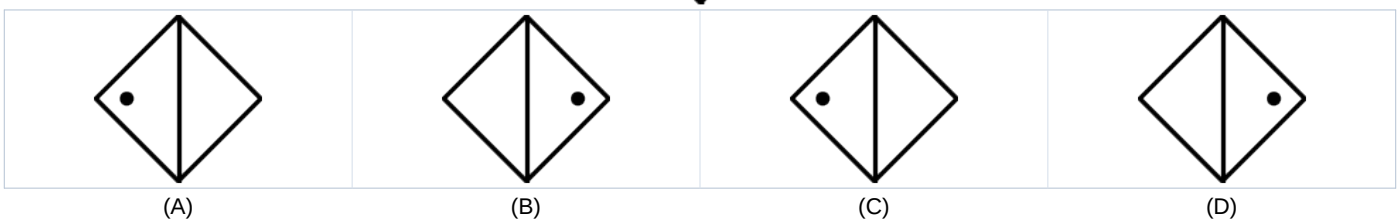
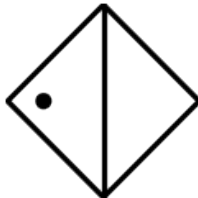
13. Choose the correct mirror image (mirror on the right).



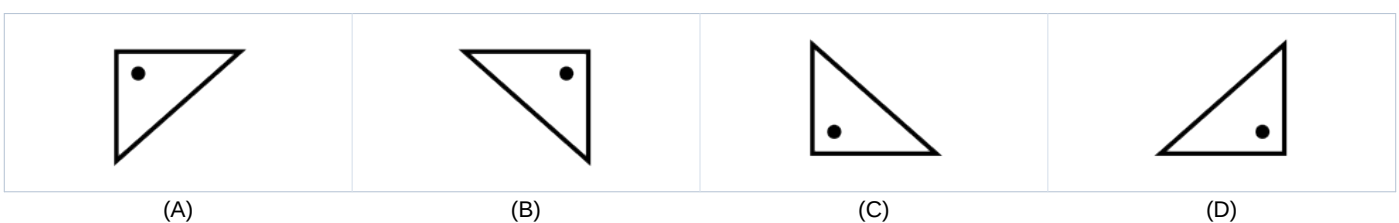
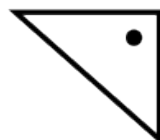
14. Choose the correct mirror image (mirror on the right).



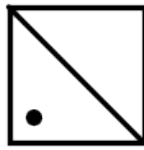
15. Choose the correct mirror image (mirror on the right).



16. Choose the correct water image (water surface below).



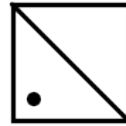
17. Choose the correct water image (water surface below).



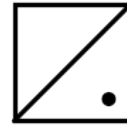
(A)



(B)



(C)



(D)

18. Choose the correct water image (water surface below).



(A)



(B)

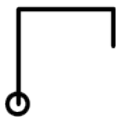
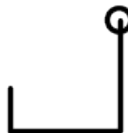


(C)

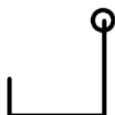


(D)

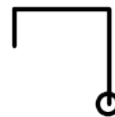
19. Choose the correct water image (water surface below).



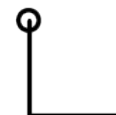
(A)



(B)



(C)



(D)

20. Choose the correct water image (water surface below).



(A)



(B)



(C)

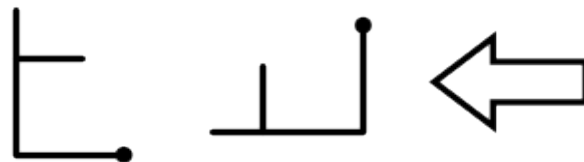


(D)

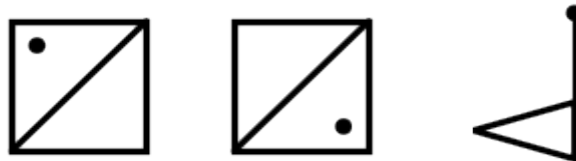
21. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



22. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



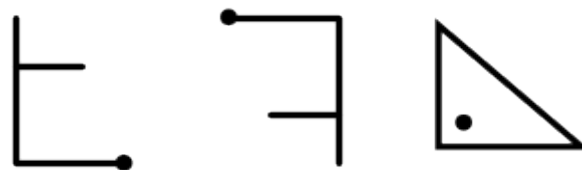
23. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



24. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



25. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



26. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



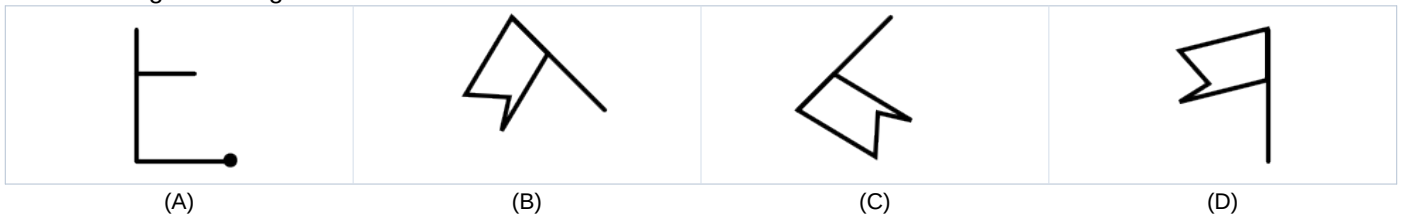
27. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



28. First pair: figure 1 changes to figure 2. Apply the same change to figure 3 and choose the answer.



29. Four figures are given. Find the one that is different from the other three.



30. Four figures are given. Find the one that is different from the other three.



31. Four figures are given. Find the one that is different from the other three.



32. Four figures are given. Find the one that is different from the other three.



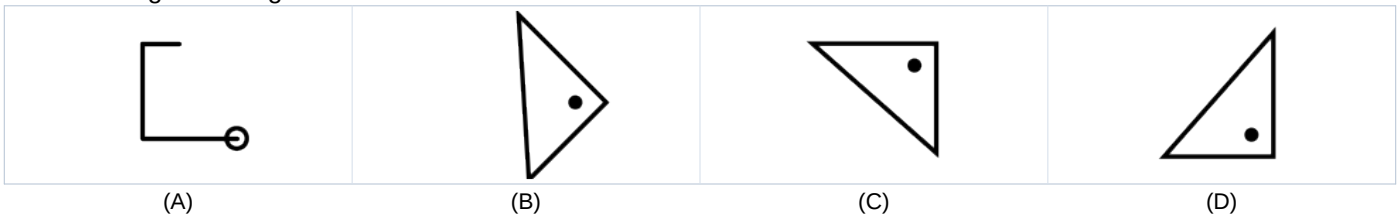
33. Four figures are given. Find the one that is different from the other three.



34. Four figures are given. Find the one that is different from the other three.



35. Four figures are given. Find the one that is different from the other three.

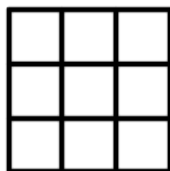


36. How many triangles are there in the figure?



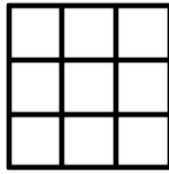
- | | |
|--------|--------|
| (A) 9 | (B) 8 |
| (C) 10 | (D) 11 |

37. How many rectangles (including the biggest one) are there in the figure?



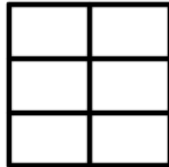
- | | |
|--------|--------|
| (A) 34 | (B) 35 |
| (C) 36 | (D) 37 |

38. How many squares are there in the figure?



- (A) 16 (B) 13
(C) 12 (D) 14

39. How many rectangles (including the biggest one) are there in the figure?



- (A) 16 (B) 19
(C) 18 (D) 17

40. How many triangles are there in the figure?



- (A) 2 (B) 4
(C) 1 (D) 3

SECTION II — Arithmetic Test (20)

Solve each problem and choose the correct option. Calculators are not allowed.

41. 3 bells ring at intervals of 5, 10, 15 seconds respectively. If they all ring together at 12:00:00 noon, at what time will they next ring together?

- (A) 12:01:30 p.m. (B) 12:00:30 p.m.
(C) 12:00:26 p.m. (D) 12:00:36 p.m.

42. A club has 120 members. Two-thirds of them are males and the rest are females. Except 32 females, all the other members are married. How many married females are there in the club?

- (A) 11 (B) 8
(C) 12 (D) 13

43. A 180 m long train is running at 36 km/h. How long will it take to cross a platform 220 m long?

- (A) 37 seconds (B) 50 seconds
(C) 45 seconds (D) 40 seconds

44. A 240 m long train takes 15 seconds to cross a platform of the same length as the train. What is the speed of the train?

- (A) 30 m/s (B) 32 m/s
(C) 34 m/s (D) 37 m/s

45. Raj and Prem start from the same point and travel in opposite directions at 2 km/h and 5 km/h respectively. How far apart will they be after 4 hours?

- (A) 31 km (B) 33 km
(C) 28 km (D) 3 km3 km3 km3 km



46. Find the greatest number that divides 4864 and 6562 leaving remainders 5 and 8 respectively.
- (A) 125 (B) 107
(C) 113 (D) 83
47. In an examination, Rohan obtained 12 marks more than Suresh. Gaurav obtained 8 marks less than Suresh. If the total marks obtained by them is 94, how many marks did Rohan obtain?
- (A) 36 (B) 62
(C) 46 (D) 42
48. How many distinct prime factors does 1155 have?
- (A) 6 (B) 3
(C) 4 (D) 5
49. Simplify: $(14\frac{1}{2} - 11\frac{1}{2}) \div (\frac{3}{4} \text{ of } \frac{2}{3}) + 4 = ?$
- (A) 11 (B) 10
(C) $10\frac{1}{3}$ (D) $9\frac{3}{4}$
50. Arrange in ascending order: $\frac{5}{6}, \frac{9}{4}, \frac{4}{5}$
- (A) $\frac{5}{6}, \frac{4}{5}, \frac{9}{4}$ (B) $\frac{4}{5}, \frac{9}{4}, \frac{5}{6}$
(C) $\frac{4}{5}, \frac{5}{6}, \frac{9}{4}$ (D) $\frac{5}{6}, \frac{9}{4}, \frac{4}{5}$
51. The sum of 1.0, 0.70 and 1.006 is:
- (A) 2.726 (B) 2.696
(C) 2.706 (D) 2.806
52. 210540 rounded to the nearest thousand is:
- (A) 210000 (B) 211000
(C) 211100 (D) 212000
53. In the number 12614, the digits 2 and 6 are interchanged. Find the difference between the original and the new number.
- (A) 3602 (B) 3600
(C) 3596 (D) 3604
54. 158°F expressed on the Celsius scale is:
- (A) 70°C (B) 73.7°C
(C) 71.0°C (D) 68.0°C
55. What is the sum of all the prime numbers between 20 and 42?
- (A) 157 (B) 175
(C) 171 (D) 161
56. A student obtained an average of 75% in 4 subjects. If he scored 85%, 55% and 72% in three subjects, what did he score in the fourth subject?
- (A) 88% (B) 86%
(C) 93% (D) 91%
57. 2 minutes 24 seconds is what percent of 1 hour?
- (A) 5% (B) 6%
(C) 4% (D) 3%
58. A trader buys 4 tables at Rs 200 each and 6 chairs at Rs 225 each. He sells all these items at a flat rate of Rs 300 each. Find his overall profit or loss.
- (A) Rs 850 loss (B) Rs 850 profit
(C) Rs 930 profit (D) Rs 950 profit
59. The perimeter of a square is 148 m. What is its area?
- (A) 1449 m^2 (B) 1400 m^2
(C) 1369 m^2 (D) 1338 m^2



60. A pictograph shows apples sold over four days. Each symbol = 20 apples. The number of symbols for Monday, Tuesday, Wednesday, Thursday are 4, 3, 2 and 6 respectively. How many apples were sold in all four days?

- (A) 301 (B) 298
(C) 300 (D) 299

SECTION III — Language Test (20)

There are four passages. Read each passage and answer the five questions that follow.

Passage 1. Once a hungry lion caught a little mouse. The frightened mouse begged to be set free, promising to help the lion one day. The lion laughed, for how could a tiny mouse ever help the king of the jungle, but he let it go. Some days later the lion was trapped in a hunter's net. Hearing his roar, the mouse ran up and gnawed through the ropes, setting the lion free. The proud lion learned that even the smallest friend can be of great help.

61. Who did the lion catch?
(A) A rabbit (B) A deer
(C) A fox (D) A little mouse
62. Why did the lion let the mouse go?
(A) The mouse promised to help him (B) He was not hungry
(C) The mouse was too fast (D) A hunter came
63. How did the mouse finally help the lion?
(A) It called other animals (B) It brought food
(C) It roared loudly (D) It gnawed through the net
64. What is the ANTONYM of 'proud'?
(A) Bold (B) Humble
(C) Mighty (D) Vain
65. What is the SYNONYM of 'frightened'?
(A) Calm (B) Happy
(C) Angry (D) Scared

Passage 2. Rani Lakshmibai of Jhansi was born in 1828 and became a symbol of India's freedom struggle. When the British tried to take over her kingdom, she refused to surrender and led her soldiers bravely into battle, often riding with her young son tied to her back. Though she died fighting in 1858, her courage inspired generations of Indians. She is remembered as one of the boldest heroines of the first war of independence.

66. Rani Lakshmibai was the queen of:
(A) Delhi (B) Awadh
(C) Jhansi (D) Mysore
67. What did she refuse to do?
(A) Leave her son (B) Ride a horse
(C) Surrender her kingdom (D) Fight the British
68. How is she remembered today?
(A) As a merchant (B) As a brave heroine of freedom
(C) As a poet (D) As a singer
69. What is the ANTONYM of 'bold'?
(A) Brave (B) Fearless
(C) Timid (D) Daring
70. What is the SYNONYM of 'inspired'?
(A) Ignored (B) Forgot
(C) Encouraged (D) Discouraged



Passage 3. The Qutub Minar in Delhi is the tallest brick minaret in the world, rising more than seventy metres into the sky. Its building was begun by Qutb-ud-din Aibak and completed by his successors. The tower has five storeys, each marked by a projecting balcony, and its walls carry fine carvings and verses. Today it is a protected World Heritage Site visited by people from many lands.

71. The Qutub Minar is located in:

- | | |
|-------------|-----------|
| (A) Jaipur | (B) Agra |
| (C) Lucknow | (D) Delhi |

72. It is the tallest brick:

- | | |
|-------------|------------|
| (A) Bridge | (B) Temple |
| (C) Minaret | (D) Palace |

73. How many storeys does the tower have?

- | | |
|-----------|----------|
| (A) Seven | (B) Ten |
| (C) Three | (D) Five |

74. What is the SYNONYM of 'fine' (as in fine carvings)?

- | | |
|------------|--------------|
| (A) Plain | (B) Rough |
| (C) Broken | (D) Delicate |

75. What is the ANTONYM of 'tallest'?

- | | |
|--------------|-------------|
| (A) Widest | (B) Highest |
| (C) Shortest | (D) Longest |

Passage 4. Forests are often called the lungs of the earth. Their trees give out the oxygen we breathe and take in the harmful gases we breathe out. Forests are also home to countless birds, animals and insects, and their roots hold the soil together so that it is not washed away by the rains. When forests are cut down carelessly, we lose clean air, wildlife and fertile land all at once.

76. Forests are often called the:

- | | |
|------------------------|-----------------------|
| (A) Lungs of the earth | (B) Heart of the sea |
| (C) Eyes of nature | (D) Roof of the world |

77. What useful gas do trees give out?

- | | |
|-----------|--------------------|
| (A) Steam | (B) Oxygen |
| (C) Smoke | (D) Carbon dioxide |

78. How do roots help the soil?

- | | |
|---------------------|---------------------------|
| (A) They colour it | (B) They hold it together |
| (C) They dry it out | (D) They remove it |

79. What is the SYNONYM of 'countless'?

- | | |
|------------|--------------|
| (A) Single | (B) Numerous |
| (C) Few | (D) Rare |

80. What is the ANTONYM of 'fertile'?

- | | |
|--------------|------------|
| (A) Fruitful | (B) Barren |
| (C) Green | (D) Rich |

**OMR ANSWER SHEET — Set 01**

Name : _____ Roll No. : _____ Darken one circle per question using a blue/black pen.

1 (A) (B) (C) (D)	21 (A) (B) (C) (D)	41 (A) (B) (C) (D)	61 (A) (B) (C) (D)
2 (A) (B) (C) (D)	22 (A) (B) (C) (D)	42 (A) (B) (C) (D)	62 (A) (B) (C) (D)
3 (A) (B) (C) (D)	23 (A) (B) (C) (D)	43 (A) (B) (C) (D)	63 (A) (B) (C) (D)
4 (A) (B) (C) (D)	24 (A) (B) (C) (D)	44 (A) (B) (C) (D)	64 (A) (B) (C) (D)
5 (A) (B) (C) (D)	25 (A) (B) (C) (D)	45 (A) (B) (C) (D)	65 (A) (B) (C) (D)
6 (A) (B) (C) (D)	26 (A) (B) (C) (D)	46 (A) (B) (C) (D)	66 (A) (B) (C) (D)
7 (A) (B) (C) (D)	27 (A) (B) (C) (D)	47 (A) (B) (C) (D)	67 (A) (B) (C) (D)
8 (A) (B) (C) (D)	28 (A) (B) (C) (D)	48 (A) (B) (C) (D)	68 (A) (B) (C) (D)
9 (A) (B) (C) (D)	29 (A) (B) (C) (D)	49 (A) (B) (C) (D)	69 (A) (B) (C) (D)
10 (A) (B) (C) (D)	30 (A) (B) (C) (D)	50 (A) (B) (C) (D)	70 (A) (B) (C) (D)
11 (A) (B) (C) (D)	31 (A) (B) (C) (D)	51 (A) (B) (C) (D)	71 (A) (B) (C) (D)
12 (A) (B) (C) (D)	32 (A) (B) (C) (D)	52 (A) (B) (C) (D)	72 (A) (B) (C) (D)
13 (A) (B) (C) (D)	33 (A) (B) (C) (D)	53 (A) (B) (C) (D)	73 (A) (B) (C) (D)
14 (A) (B) (C) (D)	34 (A) (B) (C) (D)	54 (A) (B) (C) (D)	74 (A) (B) (C) (D)
15 (A) (B) (C) (D)	35 (A) (B) (C) (D)	55 (A) (B) (C) (D)	75 (A) (B) (C) (D)
16 (A) (B) (C) (D)	36 (A) (B) (C) (D)	56 (A) (B) (C) (D)	76 (A) (B) (C) (D)
17 (A) (B) (C) (D)	37 (A) (B) (C) (D)	57 (A) (B) (C) (D)	77 (A) (B) (C) (D)
18 (A) (B) (C) (D)	38 (A) (B) (C) (D)	58 (A) (B) (C) (D)	78 (A) (B) (C) (D)
19 (A) (B) (C) (D)	39 (A) (B) (C) (D)	59 (A) (B) (C) (D)	79 (A) (B) (C) (D)
20 (A) (B) (C) (D)	40 (A) (B) (C) (D)	60 (A) (B) (C) (D)	80 (A) (B) (C) (D)

**ANSWER KEY — Set 01****Mental Ability (1–40)**

1. C	2. C	3. D	4. C	5. A	6. B	7. A	8. A	9. A	10. B
11. D	12. A	13. A	14. A	15. D	16. D	17. A	18. A	19. C	20. D
21. A	22. A	23. A	24. A	25. A	26. B	27. D	28. B	29. A	30. D
31. B	32. B	33. A	34. B	35. A	36. C	37. C	38. D	39. C	40. D

Arithmetic (41–60)

41. B	42. B	43. D	44. B	45. C	46. C	47. D	48. C	49. B	50. C
51. C	52. B	53. B	54. A	55. D	56. A	57. C	58. B	59. C	60. C

Language (61–80)

61. D	62. A	63. D	64. B	65. D	66. C	67. C	68. B	69. C	70. C
71. D	72. C	73. D	74. D	75. C	76. A	77. B	78. B	79. B	80. B